

STAFF MEMBERS OF THE PHYSICS DIVISION

Listed below are the staff of the Physics Division for the year ending December 31, 2000.
The program headings indicate only the individual's current primary activity.

SCIENTIFIC STAFF

EXPERIMENTAL NUCLEAR PHYSICS STAFF

Regular Staff

- Irshad Ahmad, Ph.D., University of California, 1966
 Birger B. Back, Ph.D., University of Copenhagen, 1974
 Michael P. Carpenter, Ph.D., University of Tennessee, 1987
 * Cary N. Davids, Ph.D., California Institute of Technology, 1967
 † Stuart J. Freedman, Ph.D., University of California, 1972
 ‡ Donald F. Geesaman, Ph.D., State University of N.Y., Stony Brook, 1976
 § Walter F. Henning, Ph.D., Technical University of Munich, 1968
 Roy J. Holt, Ph.D., Yale University, 1972
 ¶ Harold E. Jackson, Jr., Ph.D., Cornell University, 1959
 || Robert V.F. Janssens, Ph.D. Univ. Catholique de Louvain, Belgium, 1978
 Cheng-lie Jiang, Ph.D. China Institute of Atomic Energy, 1960
 Teng Lek Khoo, Ph.D., McMaster University, 1972
 **Walter Kutschera, Ph.D., University of Graz, Austria, 1965
 Torben Lauritsen, Ph.D., State University of New York, 1990
 †† Christopher J. Lister, Ph.D., University of Liverpool, 1977
 Zheng-tian Lu, Ph.D., University of California, Berkeley, 1994
 Eugene Moore, Ph.D., Florida State University, 1988
 ‡‡ Jerry A. Nolen, Jr., Ph.D., Princeton University, 1965
 Peter N. Ostroumov, Ph.D. Moscow Engineering and Physical Institute, 1982
 Richard C. Pardo, Ph.D., University of Texas, 1976
 David H. Potterveld, Ph.D., Caltech, 1988
 Karl Ernst Rehm, Ph.D., Technical University, Munich, 1973
 Paul Reimer, Ph.D. University of Illinois, 1996
 Guy Savard, Ph.D., McGill University, 1988
 §§ John P. Schiffer, Ph.D., Yale University, 1954
 Dariusz Seweryniak, Ph.D., Uppsala University, 1994
 Kenneth W. Shepard, Ph.D., Stanford University, 1970
 Kenneth Teh, Ph.D., Vanderbilt University, 1988
 Alan H. Wuosmaa, Ph.D., University of Pennsylvania, 1989
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- * Adjunct Professor, Vanderbilt University.
 † On leave of absence at the University of California, Berkeley.
 ‡ Director of the Physics Division.
 § On leave of absence at GSI, Darmstadt.
 ¶ Associate Director of the Physics Division. Joint appointment with the University of Chicago.
 || Associate Director of the Physics Division. Adjunct Professor, North Carolina State University and Adjoint Professor, Vanderbilt University.
 ** On leave of absence at the University of Vienna.
 †† Associate Director of the Physics Division.
 ‡‡ Director of the ATLAS Facility. Adjunct Professor, Michigan State University.
 §§ Joint appointment with the University of Chicago.

Special Appointments

- * R. Russell Betts, Ph.D., University of Pennsylvania, 1972
- Lowell M. Bollinger, Ph.D., Cornell University, 1951
- William J. Childs, Ph.D., University of Michigan, 1956
- Donald S. Gemmell, Ph.D., Australian National University, 1960
- F. Paul Mooring, Ph.D., University of Wisconsin, 1951
- † Michael Paul, Ph.D., Hebrew University of Jerusalem, 1973
- Gilbert J. Perlow, Ph.D., University of Chicago, 1940
- G. Roy Ringo, Ph.D., University of Chicago, 1940
- Ralph E. Segel, Ph.D., Johns Hopkins University, 1955
- George E. Thomas, B.A., Illinois Wesleyan, 1943
- § Ben Zeidman, Ph.D. Washington University, 1957

THEORETICAL NUCLEAR PHYSICS STAFF

Regular Staff

- Richard R. Chasman, Ph.D., University of California, 1959
- Henning Esbensen, Ph.D., University of Aarhus, 1977
- ¶ Tsung-Shung Harry Lee, Ph.D., University of Pittsburgh, 1973
- Steven C. Pieper, Ph.D., University of Illinois, 1970
- Craig D. Roberts, Ph.D., Flinders University of South Australia, 1989
- Robert B. Wiringa, Ph.D., University of Illinois, 1978

Special Appointments

- Paul Benioff, Ph.D., University of California, 1959
- Arnold R. Bodmer, Ph.D., Manchester University, 1953
- Fritz Coester, Ph.D., University of Zurich, 1944
- Mitio Inokuti, Ph.D., University of Tokyo, 1962
- Dieter Kurath, Ph.D., University of Chicago, 1951
- Robert D. Lawson, Ph.D. Stanford University, 1953
- Harry J. Lipkin, Ph.D., Princeton University, 1950
- || Vijay Pandharipande, Ph.D., University of Bombay, 1969
- Murray Peshkin, Ph.D., Cornell University, 1951

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- * Special Term Appointee from the University of Illinois-Chicago.
 - † Special Term Appointee from the Hebrew University of Jerusalem.
 - § Special Term Appointee. Adjunct Professor, Hampton University.
 - ¶ Adjunct Professor, University of Pittsburgh.
 - || Special Term Appointee from the University of Illinois, Urbana.

TEMPORARY APPOINTMENTS

Postdoctoral Appointees

John Arrington (from California Institute of Technology, Pasadena, CA):
Medium-energy physics.
(June 1998--)

Joseph A. Caggiano (from Michigan State University, E. Lansing, MI):
Heavy-ion research at ATLAS.
(March 1999-)

Philippe Collon (from University of Vienna, Austria):
Heavy-ion research at ATLAS.
(November 1999-)

Chun-Yen Chen (from Kansas State University, Manhattan, KS):
Medium-energy physics.
(March 1998—September 2000)

Dirk De Schepper (from MIT, Cambridge, MA):
Medium-energy physics.
(May 1997—September 2000)

Frank Dohrmann (from Hamburg University, Germany):
Medium-energy physics.
(January 2000-)

Nigel George (from Brookhaven National Laboratory, Upton, NY):
Medium-energy physics.
(May 1999-)

Kawtar Hafidi (from CEN, Saclay, France):
Medium-energy physics.
(November 1999-)

Martin Hecht (from University of Melbourne, Australia):
Theoretical studies.
(January 2000--)

Andreas Heinz (from GSI, Darmstadt, Germany):
Heavy-ion research at ATLAS.
(February 1999-)

Michael Kelly (from University of Washington, Seattle, WA):
Heavy-ion research at ATLAS.
(June 1999-)

Filipe G. Kondev (from Australian National University, Canberra, Australia):
Heavy-ion research at ATLAS.
(February 1999-)

Yimin Li (from Peking University, China):
Medium-energy physics.
(February 1999-)

Bogdan Mihaila (from University of New Hampshire, Durham, NH):
Theoretical studies.
(October 2000--)

Douglas Moehs (from Texas A&M University, College Station, TX):
ATLAS operations and development.
(August 1998--)

Bryon Mueller (from California Institute of Technology, Pasadena, CA):
Medium-energy physics.
(June 1997—September 2000)

Brahim Mustapha (from University of Paris, France):
ATLAS operations and development.
(May 2000--)

Maria Petra (from University of Illinois, Urbana, IL):
ATLAS operations and development.
(February 1998--)

Sebastian Schmidt (from University of Rostock, Germany):
Theoretical studies.
(February 1999—August 2000)

Jazmin Schwartz (from Yale University, New Haven, CT):
Heavy-ion research at ATLAS.
(August 1999—December 2000)

Kalman Varga (from Atomki, Debrecen, Hungary):
Theoretical studies.
(April 1998—September 2000)

Ingo Wiedenhover (from University of Cologne, Cologne, France):
Heavy-ion research at ATLAS.
(September 1997—September 2000)

Krishni Wijesooria (from Jefferson Laboratory, Newport News, VA):
Medium-energy physics.
(October 2000--)

TECHNICAL AND ENGINEERING STAFF
(and areas of activity)

Kevin G. Bailey (B.S. University of Nebraska, 1989).
Technical assistance, medium-energy physics.

* Peter J. Billquist
ECR heavy-ion source, ATLAS operation.

John M. Bogaty (A.A.S. DeVry, 1961).
Electrical systems, ATLAS operation and development.

Benny E. Clift (A.S.E.E., DeVry, 1959).
Electrical systems, ATLAS operation and development.

† Joseph Falout (B.S.M.E. University of Illinois, 1970).
Experimental equipment design.

John P. Greene (M.S. DePaul University, 1982).
Target preparation.

† Ray E. Harden (A.A.S. Milwaukee School of Engineering, 1957).
ATLAS operator

† Dale J. Henderson (B.S. Elmhurst College, 1951).
Detector development, technical assistance, heavy-ion physics.

James M. Joswick (A.A.S. Milwaukee School of Engineering, 1964).
ATLAS experimental equipment maintenance, technical assistance, heavy-ion physics.

† Raymond B. Kickert
ATLAS experimental equipment maintenance, technical assistance, heavy-ion physics.

† Paul Markovich (B.S. Purdue University, 1972).
Surface chemistry, ATLAS development and operation.

Thomas P. Mullen (B.S. Marquette University, 1966).
Division ESH/QA engineer.

Floyd Munson, Jr. (A.A.S. DeVry, 1966, B.S. Lewis University, 1993).
Control system for ATLAS.

Bruce G. Nardi (A.A.S. Morton Jr. College, 1967; A.A.S. DeVry, 1969).
Electronics design and maintenance.

Tom O'Connor (M.S. DePaul University, 1995).
Technical assistance, medium-energy physics.

* In charge of Dynamitron operations.

† Special Term Appointee.

Tad Pennington (M.S. University of Missouri, 1989; M.S. University of Alabama, 1998)
Detector development, technical assistance, heavy-ion physics.

Deborah Quock (M.S. Rice University, 1985)
Technical assistance, ATLAS control system.

James R. Specht (A.A.S. DeVry, 1964).
Cryogenics engineer. ATLAS development and operation.

Philip Strickhorn (B.S. DeVry, 1990).
Electrical and technical assistance with ATLAS operations.

Richard Vondrasek (B.S. University of Chicago, 1990).
ATLAS operator.

Philip R. Wilt (Johnstown Technical School 1973).
Electronics design and maintenance.

Bruce J. Zabransky (M.S. University of Illinois, Chicago, 1973).
Mechanical Engineer.

Gary P. Zinkann (B.S. DeVry, 1975).
ATLAS operations supervisor.

ADMINISTRATIVE STAFF

- * Allan Bernstein, M.B.A., Rosary College, 1986
- * James E. Nelson, B.A., University of Illinois, 1975
- † Karen J. Thayer

VISITORS AND STUDENTS

Long-Term Visitors (at Argonne more than 4 months)

Vladislav Asseev (from Institute for Nuclear Research of Russian Academy of Sciences, Russia):
Accelerator development.
(January-July 2000)

Jason Clark (from University of Manitoba, Canada):
Heavy-ion research at ATLAS.
(May 1999-)

Hiroshi Fukutani (from University of Manitoba, Canada):
Heavy-ion research at ATLAS.
(May 1998—September 2000)

Michael Maier (from University of Heidelberg, Germany):
Heavy-ion research at ATLAS.
(December 2000)

*Assistant Director of the Physics Division.

†Special Term Appointee.

Shin-ichi Mitsuoka (from JAERI, Japan):
Heavy-ion research at ATLAS.
(April-October 2000)

Vandana Nanal (from TATA Institute, Bombay, India):
Heavy-ion research at ATLAS.
(May-November 2000)

Gian-Luca Poli (from University of Milan, Italy):
Heavy-ion research at ATLAS.
(December 1999-December 2000)

Iouri Sanjiev (from St. Petersburg Nucl. Phys. Institute, Gatchina, Leningrad, Russia):
Medium energy studies.
(November 2000)

Sergey Sharamentov (from Institute for Nucl. Phys. of the Russian Acad. of Sci., Moscow, Russia):
Linac development.
(October 2000)

Kumar Sharma (from University of Manitoba, Canada):
Heavy-ion research at ATLAS.
(January-April 2000)

Rolf Siemssen (from KVI, Groningen, Netherlands):
Heavy ion research at ATLAS.
(October 1998—September 2000)

* Gene D. Sprouse (from University of New York at Stony Brook, NY):
Heavy-ion research at ATLAS.
(January-December 2000)

Tatiana Tretiakova (from ITEP, Russia):
Accelerator development.
(January-July 2000)

Joseph V. Vaz (from University of Manitoba, Canada):
Heavy-ion research at ATLAS.
(November 1999-)

Short-Term Visitors (at ANL for less than 4 months at a time)

* Nour-eddi Berrah (from Western Michigan University, Kalamazoo, MI):
Atomic physics research.
(October 1991--)

Alexandre Borissov (from Turniket Company, Russia):
Accelerator development.
(July 2000)

*Guest Faculty Research Participant

Chantal Boudreau (from McGill University, Montreal, Quebec):
Heavy-ion research at ATLAS.
(May 2000--)

Thomas Dombek (from University of Chicago, Chicago, IL):
Heavy-ion research at ATLAS.
(January 2000--)

* Christopher Fasano (from Monmouth College, Monmouth, IL):
Theoretical studies.
(February 1999--)

Susan Fischer (from DePaul University, Chicago, IL):
Heavy-ion research at ATLAS.
(October 1998--)

Shunichi Gomi (from Kyoto University, Japan):
Accelerator development.
(September-December 2000)

Clive Halliwell (from University of Illinois, Chicago, IL):
Heavy-ion research at ATLAS.
(June 1998--)

Jeffrey Hangst (from University of Aarhus, Denmark):
Heavy-ion research at ATLAS.
(April 1995--)

David J. Hofman (from University of Illinois, Chicago, IL):
Heavy-ion research at ATLAS.
(September 2000--)

* Edward Hohman (from York Township High School, Lyons, IL):
Summer student coordinator.
(July 2000)

David Jenkins (from University of York, UK):
Heavy-ion research at ATLAS.
(February 2000)

Leonard Kalinine (from Russian Institute of High Power Radio Equipment, Russia):
Accelerator development.
(July-August 2000)

* Judith Katzy (from University of Illinois, Chicago, IL):
Heavy-ion research at ATLAS.
(February 1998--)

Andre Kolomiets (from ITEP, Russia):
Accelerator development.
(July-October 2000)

*Guest Faculty Research Participant.

Igor Kvashonkin (from Turniket Company, Russia):
Accelerator development.
(July-August 2000)

* Wojciech Kucewicz (from University of Illinois, Chicago, IL):
Heavy-ion research at ATLAS.
(April 1998—April 2000)

* Donald McLeod (from University of Illinois, Chicago, IL):
Heavy-ion research at ATLAS.
(June 1994--)

Falk Meissner (from DESY, Hamburg, Germany):
Medium-energy physics.
(February 2000)

Rachid Nouicer (from University of Chicago, Chicago, IL):
Heavy-ion research at ATLAS.
(April 1998--)

* Toru Sato (from Osaka University, Japan):
Theoretical studies.
(September-December 2000)

* David Smith (from University of Vermont):
Theoretical studies.
(February 2000--)

Gerhard Winkler (from University of Vienna, Austria):
Medium-energy studies.
(May-August 2000)

Yau Wah (from University of Chicago, Chicago, IL):
Heavy-ion research at ATLAS.
(January 1998—January 2000)

Resident Graduate Students

Peter Cabauy (from University of Michigan, Ann Arbor, MI):
Theoretical studies.
(February-September 2000)

David Gaskell (from Oregon State University, Corvallis, OR):
Medium-energy physics.
(September 1998--)

Burt Holzman (from University of Illinois, Chicago, IL):
Heavy-ion research at ATLAS.
(June 1997—December 2000)

Mauricio Portillo (from Michigan State University, E. Lansing, MI):
Accelerator development.
(September 1995--)

* Guest Faculty Research Participant.

Jennifer Ressler (from University of Maryland, College Park, MD):
Heavy-ion research at ATLAS.
(January 1999-)

Elaine Schulte (from University of Illinois, Urbana, IL):
Medium-energy studies.
(August 2000--)

Guest Graduate Students

Khalefeh Abu Saleem (from Illinois Institute of Technology, Chicago, IL):
Heavy-ion research at ATLAS.
(June 1999-)

Xu Du (from Northwestern University, Evanston, IL):
Medium-energy physics.
(June 1999-)

Andrew Geraci (from University of Chicago, Chicago, IL):
Accelerator development.
(December 1999-)

Louis Jisonna (from Northwestern University, Evanston, IL):
Heavy-ion research at ATLAS.
(June 2000--)

Kenneth Nollett (from University of Chicago, Chicago, IL)
Theoretical studies.
(May 1997—September 2000)

Iouri Sanjiev (from DESY Laboratory, Hamburg, Germany):
Medium-energy studies.
(November 2000--)

Christian Trempe (from McGill University, Montreal, QC):
Heavy-ion research at ATLAS.
(May-August 2000)

Undergraduate Students

Martin Alcorta (University of Chicago)
Nathaniel Burke (North Central College)
Bobby Chapin (University of St. Francis)
Scott Davis (University of Illinois-Urbana)
Kara Eder (St. Xavier College)
Kaury Eisenman (Michigan State University)
Javier Figueroa (Benedictine University)
Juan Figueroa (Benedictine University)
Veronica Herrera (University of Texas, El Paso)
Lisa Lim (North Central College)
Christina Llerena (Florida International University)
Janelle Neubauer (North Central College)
Jason Noeth (St. Norbert College)
Timothy Peceniak (North Central College)
Troy Sienko (Purdue University)
Scott Styles (Northwestern University)
Richard Vanswol (University of Illinois-Urbana)

Pre-College Program (Just Graduated from High School)
(June--August 2000)

Rachel Gabor (Naperville Central High School)
Braden McClintock (Joliet Catholic Academy)
Elisabeth Ring (Oak Park/River Forest High School)

High School Student Aide

Angela Baity (Plainfield High School)
Amy DeMilio (Downers Grove South High School)
Cynthia Price (Bolingbrook High School)

